Part Number: PT974-48241

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Activity Mount
2	1	Hardware Kit
3	1	Customer Care Card
4	1	Bumper Cover Inserts

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	4	M12-1.25 x 35 Lead in Hex Bolt with Washer

Additional Items Required For Installation

1	1	200 Activity Mount Plug PT974-48244
2	1	Kick Sensor ECU (if equipped) PT83P-48240-AA
3	1	Kick Sensor Bracket (if equipped) PT413-48240-AA
4	1	PT938-48241Cover, RR Bumper Lower, (No Kick Sensor) or PT938-48241-02 (Color Code: 11GY11) / PT938-48241-11 (Color Code: 1G1SV33) (With Kick Sensor)

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	**Notes**
Special Tools	**Notes**
Installation Tools	**Notes**
Torque Wrench	0-100 lbf-ft
½" drive socket wrench	
½" drive socket	10mm
19mm end wrench	

Special Chemicals	**Notes**

General Applicability

Recommended Sequence of Application

Item #	Accessory

*Mandatory Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1		
2		
3		

Legend

STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.

OPERATOR SAFETY: Use caution to avoid risk of injury.

CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.

REVISION MARK: This mark highlights a change in installation with respect to previous issue.

SAFETY TORQUE: This mark indicates that torque is related to safety.

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TOYOTA Grand Highlander 2023~ Activity Mount

Procedure

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.

1. Preparation.

(a) Wear safety glasses

(b) Verify the kit contents.

(c) Cover the exhaust pipe with a clean shop towel

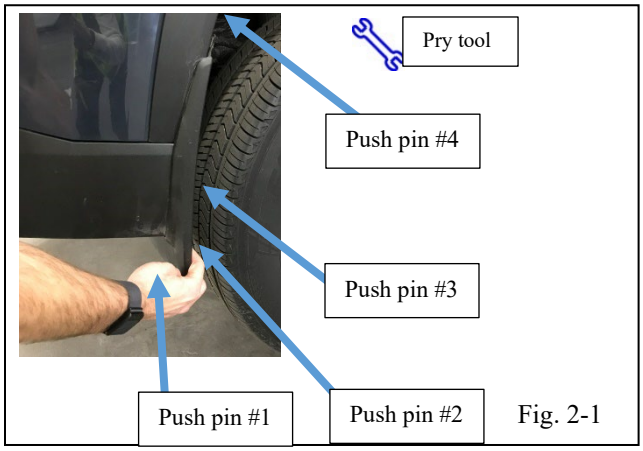


Fig. 2-1

2. Removal Mud Guards

(a) Disengage and remove 4 push pins. **Figure 2-1.**

(b) Repeat on passenger side.

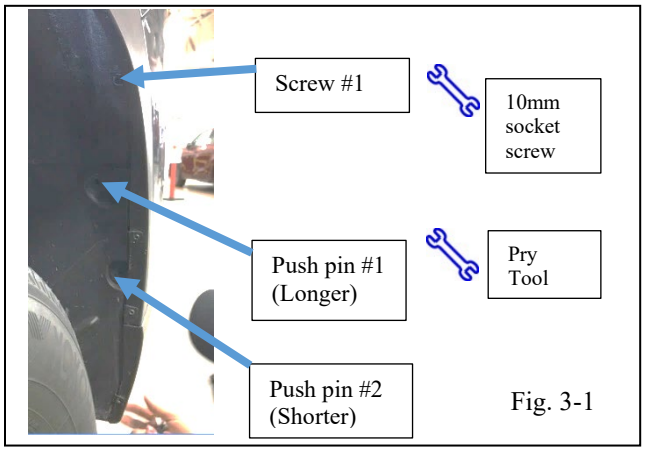


Fig. 3-1

3. Remove Wheel Arch Finish

(a) Disengage and remove 2 push pins (1 long push pin and 1 short push pin) and 1 screw. **Figure 3-1.**

(b) Repeat on passenger side.

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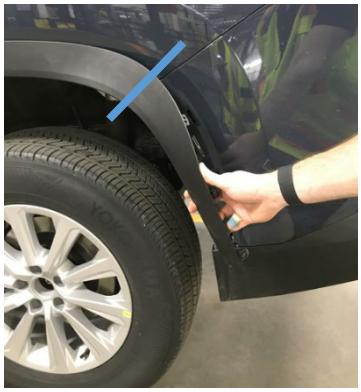
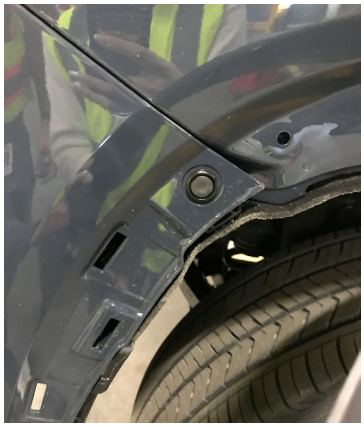


Fig 4-1

4. Partially Remove Cladding

(a) Starting at bottom of the cladding disengage clips up to blue line in **Figure 4-1.**

(b) Repeat on other side.



Plastic pry tool

Fig 5-1

5. Remove Bumper

(a) Disengage 1 push pin. (Fig 5-1)

(b) Repeat on other side.



Light Cover

Figure 5-2

(c) Remove light cover by pulling from inward edge outward. Figure 5-2.

(d) Repeat on other side.

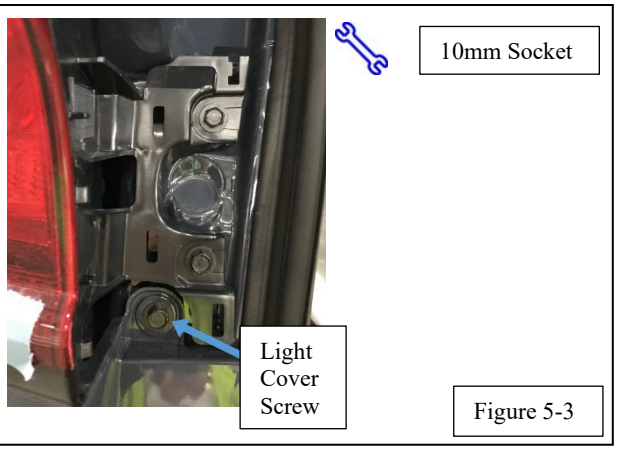


Figure 5-3

(e) Remove screw using 10mm socket.

(f) Repeat on other side.

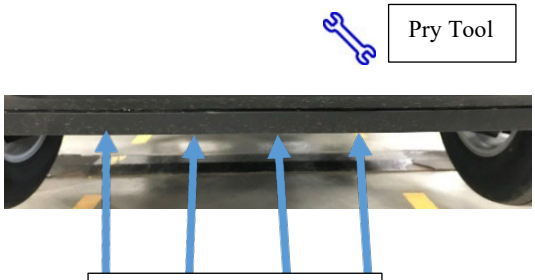


Figure 5-4

(g) Using a pry tool, remove 4 push pins under the bumper. Figure 5-4.

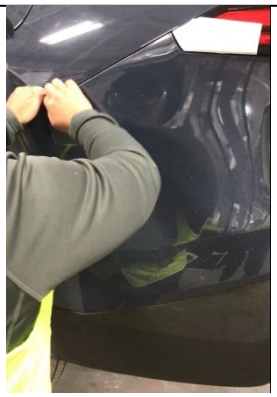


Figure 5-5

(h) Starting from the corners of each side disengage fascia clips. Figure 5-5.

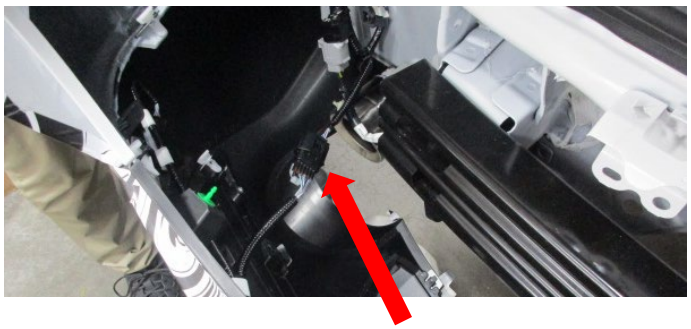
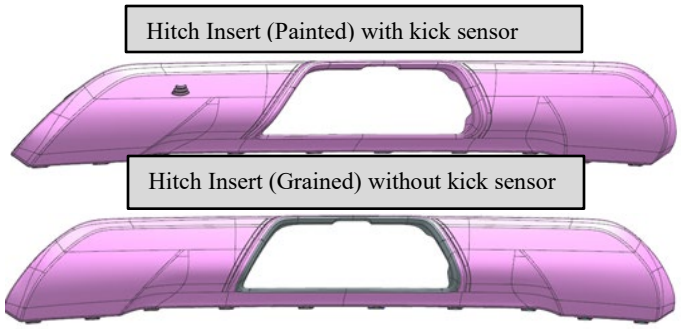


Fig. 5-6

(i) When disengaging the driver side find wire harness attached to bumper and disengage the harness. (Fig 5-6)

(j) Once all fascia clips are disengaged, place A-surface on a cloth or towel to eliminate any A-surface handling damage.

NOTE: If vehicle is not equipped with kick sensor, skip to step 9.



6. Replace Fascia Insert

(a) Disengage (18) clips from backside of fascia that hold existing fascia insert.

(b) Remove and set aside existing fascia insert

(c) Install new hitch insert into opening by engaging (18) tabs into fascia clips where previous insert was connected. (Fig 6-1)

NOTE: If vehicle is not equipped with kick sensor, skip to step 10.

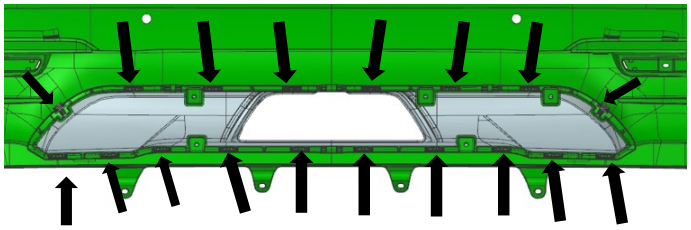


Fig. 6-1

7. Remove OE Kick Sensor

(a) Remove push pins and disconnect and discard OE kick sensor (Fig 7-1).

(b) Set aside push pins (x2).

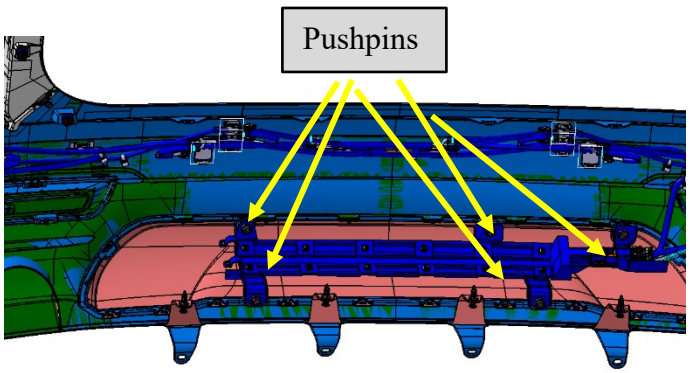


Fig. 7-1

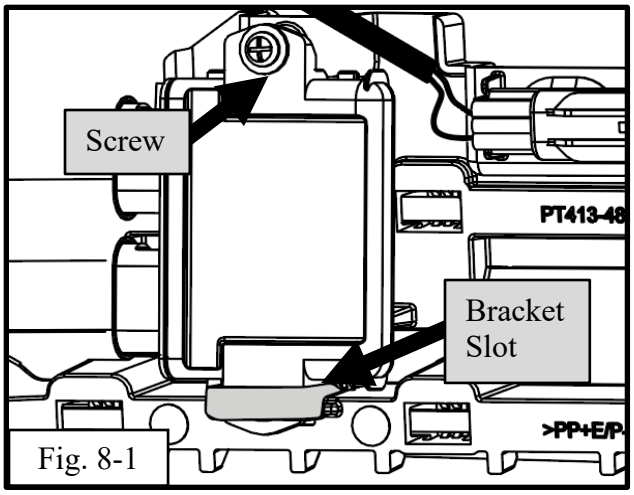


Fig. 8-1

8. Kick Sensor Assembly

(a) Install ECU into bracket by sliding into bracket slot and secure with provided screw (Fig. 8-1).

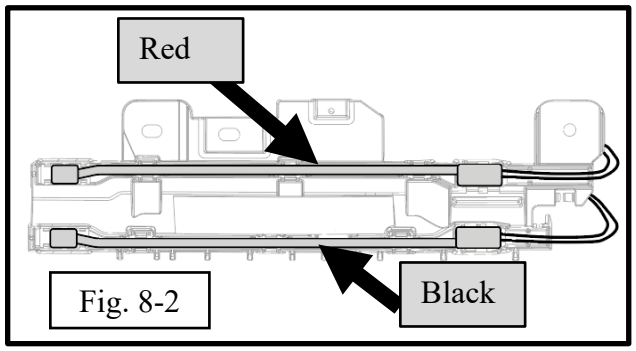


Fig. 8-2

(b) Route antenna harness so that upper antenna is red and lower antenna is black (Fig. 8-2).

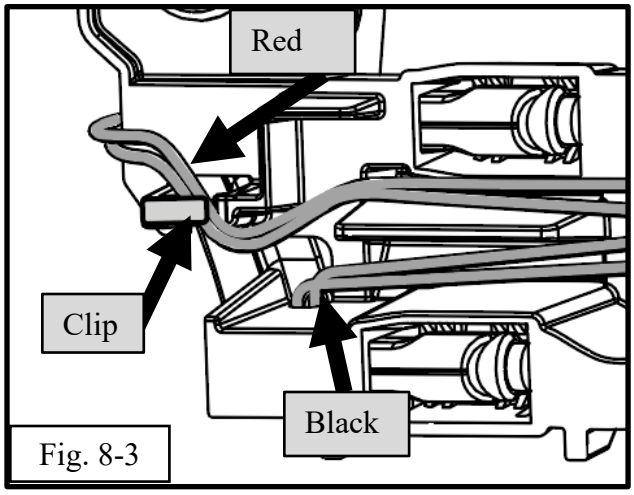


Fig. 8-3

(c) On front of bracket, route upper antenna through clip and lower antenna through cutout (Fig 8-3).

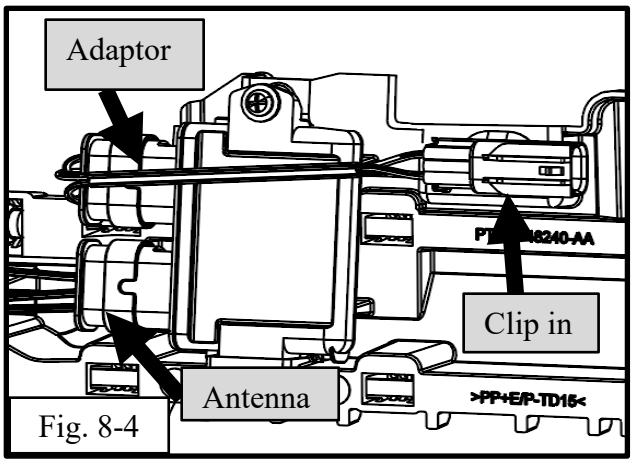


Fig. 8-4

(d) Attach antenna and adaptor connectors to kick sensor ECU, and clip opposite end of adaptor cable to bracket (Fig. 8-4).

9. Kick Sensor Install

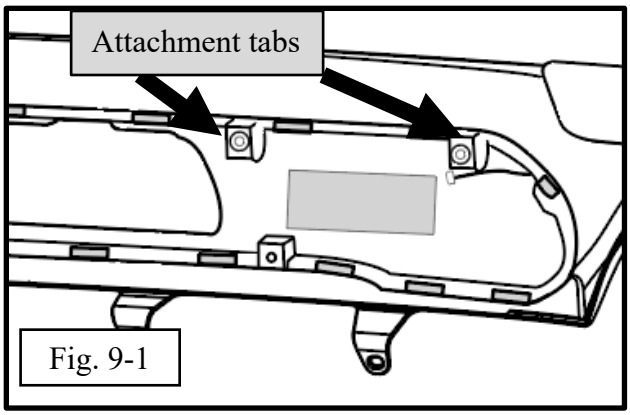


Fig. 9-1

(a) Using a TLS approved cleaner, clean the area indicated by gray rectangle where adhesive tape will adhere. (Fig. 9-1).

(b) Verify temperature is between 60-90 degrees Fahrenheit.

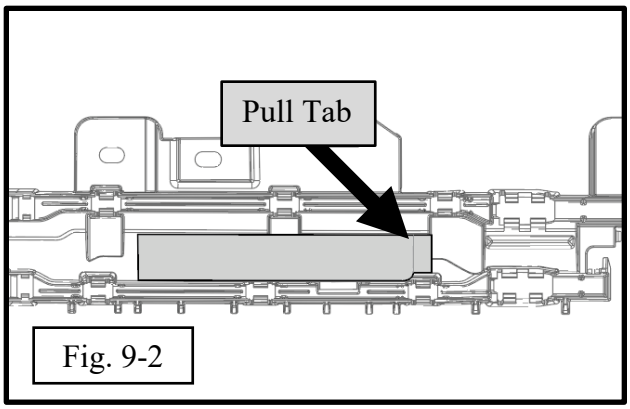


Fig. 9-2

(c) Remove liner from adhesive tape, use caution to not touch adhesive. (Fig. 9-2)

(d) Position assembly over the two attachment tabs.

(e) Press assembly firmly into place on bumper.

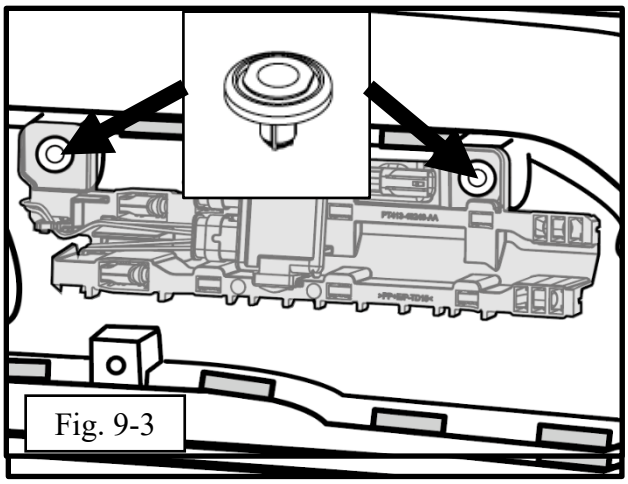


Fig. 9-3

(f) Install push pins (x2) from original Kick Sensor bracket (Fig 9-3).

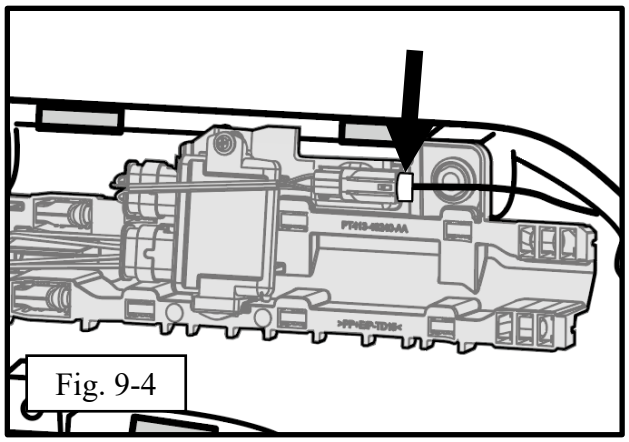
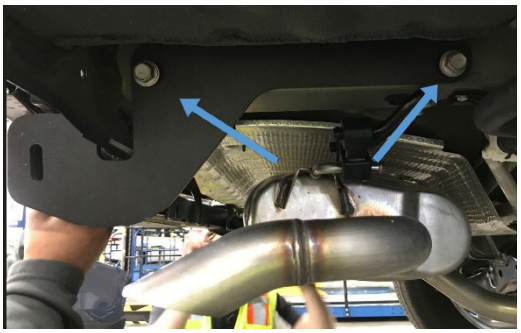


Fig. 9-4

(g) Connect vehicle pre-wire connector to kick sensor adaptor cable (Fig 9-4).



Fig. 10-1



Torque Wrench

Fig. 10-2

10. Assemble The Tow Hitch

(a) Using two people angle the hitch downward until aligned with the bolt opening on the vehicle.

(b) Hand tighten M-12bolts as far as bolts on both sides into the frame rail. Figure 10-2.

(a) Torque all M12 Fasteners to 100 Nm Grade 1.5 (+/- 13%).

(b) Take tow hitch wiring on driver side and attach it to the vehicle wiring plug.

(c) Reinstall Bumper in reverse order of steps 1-5.

11. Care Card Placement.

(a) Locate care card provided in package.

(b) Place care card in glove box.

12. Complete the installation.

(a) Remove vehicle protection.

TOYOTA Grand Higlander 2023- Activity Mount

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:	Look For:
Accessory Function Checks ☐ Bolt Torque	Confirm all bolts are tightened to the correct torque of_ 100 Nm Grade 1.5 (+/- 13%)
Vehicle Function Check ☐ Warning Label ☐ Part Label ☐ Customer Care Card ☐ Receiver Plug ☐ Verify function of power backdoor.	Two labels are on activity mount (already applied by supplier). Customer Care card placed into glove box. Receiver Plug placed in glove box. Perform kick to open/close back door.
Vehicle Appearance Check ☐ After accessory installation and removal of protective cover(s) on exhaust pipe. Perform visual appearance check.	Ensure no damage was caused during the installation process.

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